

SECTION 162

ALUMINUM CASTINGS

162.1 GENERAL

Aluminum castings will be used for water valve extension collar and insert, and may be used for other items as per construction requirements.

162.2 REFERENCES

162.2.1 ASTM B 108

162.3 MATERIAL

162.3.1 The casting shall be true to pattern in form and dimension and shall be free from pouring faults, cracks, blowholes, or other defects in locations affecting the units strength and value of service.

162.3.2 Unless otherwise approved by the ENGINEER, the units shall be cast in permanent molds, using aluminum alloy No. 356, meeting the chemical and tensile strength requirements, as specified in ASTM B 108.

162.3.3 The surfaces, requiring grinding or machining, shall be noted on the drawings.

162.4 WATER VALVE EXTENSION COLLAR AND INSERT

The aluminum water valve extension collar and insert shall be cast and finished in accordance with Standard Detail Drawing.

162.5 OTHER ALUMINUM CASTINGS

For other aluminum casting configurations or uses, detailed or shop drawings shall identify the required dimensions, finishes, and aluminum alloy number.

162.6 MEASUREMENT AND PAYMENT

Measurement and payment shall be the unit price per unit, as specified in the Bid Proposal or may be included in the major construction item's unit cost.